ELSEVIER

Colloids and Surfaces
A: Physicochemical and Engineering Aspects 94 (1995) 316–317

COLLOIDS AND SURFACES A

Contents

(Abstracted/indexed in: Chemical Abstracts: Current Contents; Physical, Chemical & Earth Sciences; INSPEC: PASCAL/CNRS)

Vol. 94 No. 1

The existence of small surface aggregates — surface micelles on polar charged surfaces
J. Leimbach, J. Sigg and H. Rupprecht (Regensburg, Germany) 1
The influence of Marangoni surface elasticity on gas mobility reductions by foams in porous media
L.L. Schramm and W.H.F. Green (Calgary, Alta., Canada) 13
Surface chemistry and tip–sample interactions in atomic force microscopy
T.J. Senden (Canberra, A.C.T., Australia) and C.J. Drummond (Clayton, Vic., Australia) 29
Study of micellar solutions of ethoxylated diisononylphenol by small-angle neutron scattering
L.A. Bulavin (Kiev, Ukraine), V.M. Garamus (Moscow, Russia) and Yu.M. Ostanevich (Kiev, Ukraine) 53
The molecular arrangement of a vitamin K_1 monolayer at the air–water interface
A.A. Barnoski, G.L. Gaines, Jr. and G.M. Korenowski (Troy, NY, USA) 59
A spectroelectrochemical study of chemisorption of ethyl xanthate on gold
R. Woods, D.S. Kim, C.I. Basilio and R.-H. Yoon (Blacksburg, VA, USA) 67
Mixed monolayers of valinomycin and dipalmitoylphosphatidic acid
S.Yu. Zaitsev and V.P. Zubov (Moscow, Russia) and D. Möbius (Göttingen, Germany) 75
Dynamic surface properties of aqueous Brij58 solutions at the air/water interface
B. Li and P. Joos (Wilrijk, Belgium) and T. Horozov (Sofia, Bulgaria) 85
Catalytic property of platinum-dispersed carbon prepared using amphiphilic carbonaceous material
K. Esumi, R. Ono, H. Sugii and H. Honda (Tokyo, Japan) and M. Kodama (Saga, Japan) 93
Interaction between cationic fluorocarbon surfactant and polyoxyethylated surfactants having a sulfate group
K. Nagai and K. Esumi (Tokyo, Japan) 97
Micellization of fluorocarbon surfactants in mixtures of water and polar solvents
K. Esumi and S. Ogiri (Tokyo, Japan) 107

Brief note
On nanodroplet and bicontinuous states in percolated water-in-oil microemulsions
W. Meier (Basel, Switzerland) 111

Vol. 94 Nos. 2/3

The binding of cationic surfactants by various poly(carboxylic acid)s
T. Shimizu (Hirosaki, Japan) 115
Adsorption of SDS and PVP at the air/water interface
I.P. Purcell and R.K. Thomas (Oxford, UK), J. Penfold (Didcot, UK) and A.M. Howe (Harrow, UK) 125
Diffusion analysis of cosurfactant-induced current transitions in reverse microemulsions
E. García, S. Song, L.E. Oppenheimer and J. Texter (Rochester, NY, USA) 131
Effect of aqueous subphase exchange on the monolayer characteristics of valinomycin
S. Yu. Zaitsev (Moscow, Russia), U. Kalmer (Garching, Germany) and D. Möbius (Göttingen, Germany) 137
A captive drop instrument for surface or interfacial tension measurements at elevated temperatures and pressures
L.L. Schramm, D.B. Fisher, S. Schurch and A. Cameron (Calgary, Alta., Canada) 145

0927-7757/95/$09.50 © 1995 Elsevier Science B.V. All rights reserved

ELSEVIER

Colloids and Surfaces
A: Physicochemical and Engineering Aspects 94 (1995) 316–317

COLLOIDS AND SURFACES A

Contents

(Abstracted/indexed in: Chemical Abstracts: Current Contents; Physical, Chemical & Earth Sciences; INSPEC: PASCAL/CNRS)

Vol. 94 No. 1

The existence of small surface aggregates — surface micelles on polar charged surfaces
J. Leimbach, J. Sigg and H. Rupprecht (Regensburg, Germany) 1
The influence of Marangoni surface elasticity on gas mobility reductions by foams in porous media
L.L. Schramm and W.H.F. Green (Calgary, Alta., Canada) 13
Surface chemistry and tip–sample interactions in atomic force microscopy
T.J. Senden (Canberra, A.C.T., Australia) and C.J. Drummond (Clayton, Vic., Australia) 29
Study of micellar solutions of ethoxylated diisononylphenol by small-angle neutron scattering
L.A. Bulavin (Kiev, Ukraine), V.M. Garamus (Moscow, Russia) and Yu.M. Ostanevich (Kiev, Ukraine) 53
The molecular arrangement of a vitamin K_1 monolayer at the air–water interface
A.A. Barnoski, G.L. Gaines, Jr. and G.M. Korenowski (Troy, NY, USA) 59
A spectroelectrochemical study of chemisorption of ethyl xanthate on gold
R. Woods, D.S. Kim, C.I. Basilio and R.-H. Yoon (Blacksburg, VA, USA) 67
Mixed monolayers of valinomycin and dipalmitoylphosphatidic acid
S.Yu. Zaitsev and V.P. Zubov (Moscow, Russia) and D. Möbius (Göttingen, Germany) 75
Dynamic surface properties of aqueous Brij58 solutions at the air/water interface
B. Li and P. Joos (Wilrijk, Belgium) and T. Horozov (Sofia, Bulgaria) 85
Catalytic property of platinum-dispersed carbon prepared using amphiphilic carbonaceous material
K. Esumi, R. Ono, H. Sugii and H. Honda (Tokyo, Japan) and M. Kodama (Saga, Japan) 93
Interaction between cationic fluorocarbon surfactant and polyoxyethylated surfactants having a sulfate group
K. Nagai and K. Esumi (Tokyo, Japan) 97
Micellization of fluorocarbon surfactants in mixtures of water and polar solvents
K. Esumi and S. Ogiri (Tokyo, Japan) 107

Brief note
On nanodroplet and bicontinuous states in percolated water-in-oil microemulsions
W. Meier (Basel, Switzerland) 111

Vol. 94 Nos. 2/3

The binding of cationic surfactants by various poly(carboxylic acid)s
T. Shimizu (Hirosaki, Japan) 115
Adsorption of SDS and PVP at the air/water interface
I.P. Purcell and R.K. Thomas (Oxford, UK), J. Penfold (Didcot, UK) and A.M. Howe (Harrow, UK) 125
Diffusion analysis of cosurfactant-induced current transitions in reverse microemulsions
E. García, S. Song, L.E. Oppenheimer and J. Texter (Rochester, NY, USA) 131
Effect of aqueous subphase exchange on the monolayer characteristics of valinomycin
S. Yu. Zaitsev (Moscow, Russia), U. Kalmer (Garching, Germany) and D. Möbius (Göttingen, Germany) 137
A captive drop instrument for surface or interfacial tension measurements at elevated temperatures and pressures
L.L. Schramm, D.B. Fisher, S. Schurch and A. Cameron (Calgary, Alta., Canada) 145

0927-7757/95/$09.50 © 1995 Elsevier Science B.V. All rights reserved

Influence of emulsifier on the formation of alkyd emulsions
G. Östberg, B. Bergenstahl and M. Hulden (Stockholm, Sweden) 161
Micelle formation in molten acetamide
M.S. Akhter, S.M. Alawi and A.N. Bose (Isa Town, Bahrain) 173
Electrochemistry of clay electrodeposition from sols: electron-transfer, deposition and microgravimetry studies
J.S. Graham, D.R. Rosseinsky and J.D. Slocombe (Exeter, UK), S. Barrett and S.R. Francis (Swindon, UK) .. 177
A simulation of emulsification by turbulent stirring
J. Lachaise, B. Mendiboure, C. Dicharry and G. Marion (Pau, France), M. Bourrel and P. Cheneviere (Artix, France) and J.L. Salager (Merida, Venezuela) 189
Transport of hydrophobic organics by colloids through porous media. 1. Experimental results
I. Sojitra, K.T. Valsaraj, D.D. Reible and L.J. Thibodeaux (Baton Rouge, LA, USA) 197
Novel studies of phase and structural transitions in bulk and vicinal water
P. Staszczuk (Lublin, Poland) 213
Adsorption of protein on non-stoichiometric calcium–strontium hydroxyapatite
K. Kandori, M. Saito, H. Saito, A. Yasukawa and T. Ishikawa (Osaka, Japan) 225
Characterisation of water-in-oil microemulsions and organo-gels based on sulphonate surfactants
P.J. Atkinson and B.H. Robinson (Norwich, UK), A. M. Howe and A.R. Pitt (Harrow, UK) 231
Surface activities of ferrocene surfactants
K. Tajima, T. Huxur, Y. Imai and I. Motoyama (Yokohama, Japan), A. Nakamura (Nagoya, Japan) and M. Koshinuma (Chiba, Japan) 243
Electrokinetic and adsorption properties of asphaltenes
S. Kokal, T. Tang, L. Schramm and S. Sayegh (Calgary, Alta., Canada) 253
Interaction between molybdena and silica: FT-IR/PA studies of surface hydroxyl groups and pore structure assessment
G.M.S. El Shafei and M. Mokhtar M. (Cairo, Egypt) 267
Contact angles and transfer ratios measured during the Langmuir–Blodgett deposition of docosanoic acid onto mica from $CdCl_2$ subphases
R. Aveyard, B.P. Binks, P.D.I. Fletcher and X. Ye (Hull, UK) 279
Pressure and temperature dependence of the surface tension in the system natural gas/water. Principles of investigation and the first precise experimental data for pure methane/water at 25°C up to 46.8 MPa
W. Sachs and V. Meyn (Clausthal-Zellerfeld, Germany) 291
Influence of the foam film type on the foam drainage process
Khr. Khristov and D. Exerowa (Sofia, Bulgaria) 303

Announcement 311
Author Index 313
Subject Index 314
Contents 316